The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
Thomas S. Burack, Commissioner

AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS

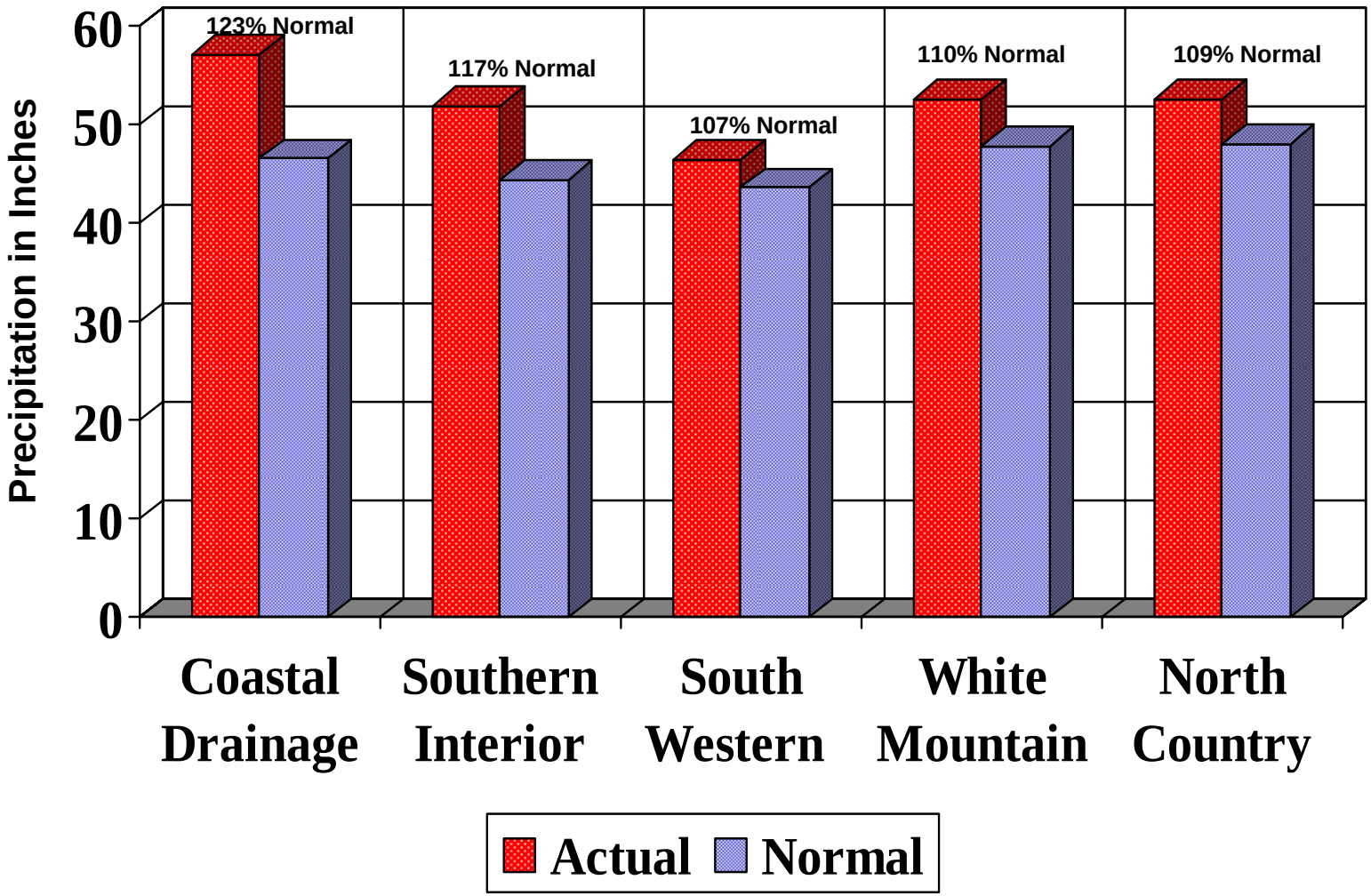
	Actual Rainfall (inches)	Normal Rainfall (inches)	Deviation from Normal (inches)	Percent of Normal
Coastal Drainage: Rockingham, Strafford counties				
four month	20.25	15.51	4.74	131%
six month	28.53	23.57	4.96	121%
nine month	39.85	34.59	5.26	115%
twelve month	57.12	46.57	10.56	123%
Southern Interior: Belknap, Hillsborough, Merrimack counties				
four month	19.62	14.24	5.38	138%
six month	27.21	21.86	5.35	124%
nine month	36.73	33.28	3.46	110%
twelve month	51.87	44.44	7.43	117%
South Western: Cheshire, Sullivan counties				
four month	17.34	13.42	3.92	129%
six month	25.19	20.87	4.32	121%
nine month	34.94	32.65	2.29	107%
twelve month	46.50	43.63	2.87	107%
White Mountain: Carroll, Grafton counties				
four month	18.57	14.93	3.64	124%
six month	27.22	23.18	4.04	117%
nine month	39.66	35.99	3.68	110%
twelve month	52.59	47.78	4.81	110%
North Country: Coos county				
four month	16.54	14.49	2.05	114%
six month	25.10	22.87	2.23	110%
nine month	38.11	36.71	1.40	104%
twelve month	52.57	48.03	4.54	109%

four month period : November 2007 - February 2008
six month period : September 2007 - February 2008
nine month period : June 2007 - February 2008
twelve month period: March 2007 - February 2008

Source: Northeast River Forecast Center, NH Des Dam Bureau

DES Web site: www.des.nh.gov
P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095
Telephone: (603) 271-3406 • Fax: (603) 271-7894 • TDD Access: Relay NH 1-800-735-2964

TWELVE MONTH AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS from March 2007 through February 2008



NH DES Dam Bureau, Northeast River Forecast Center

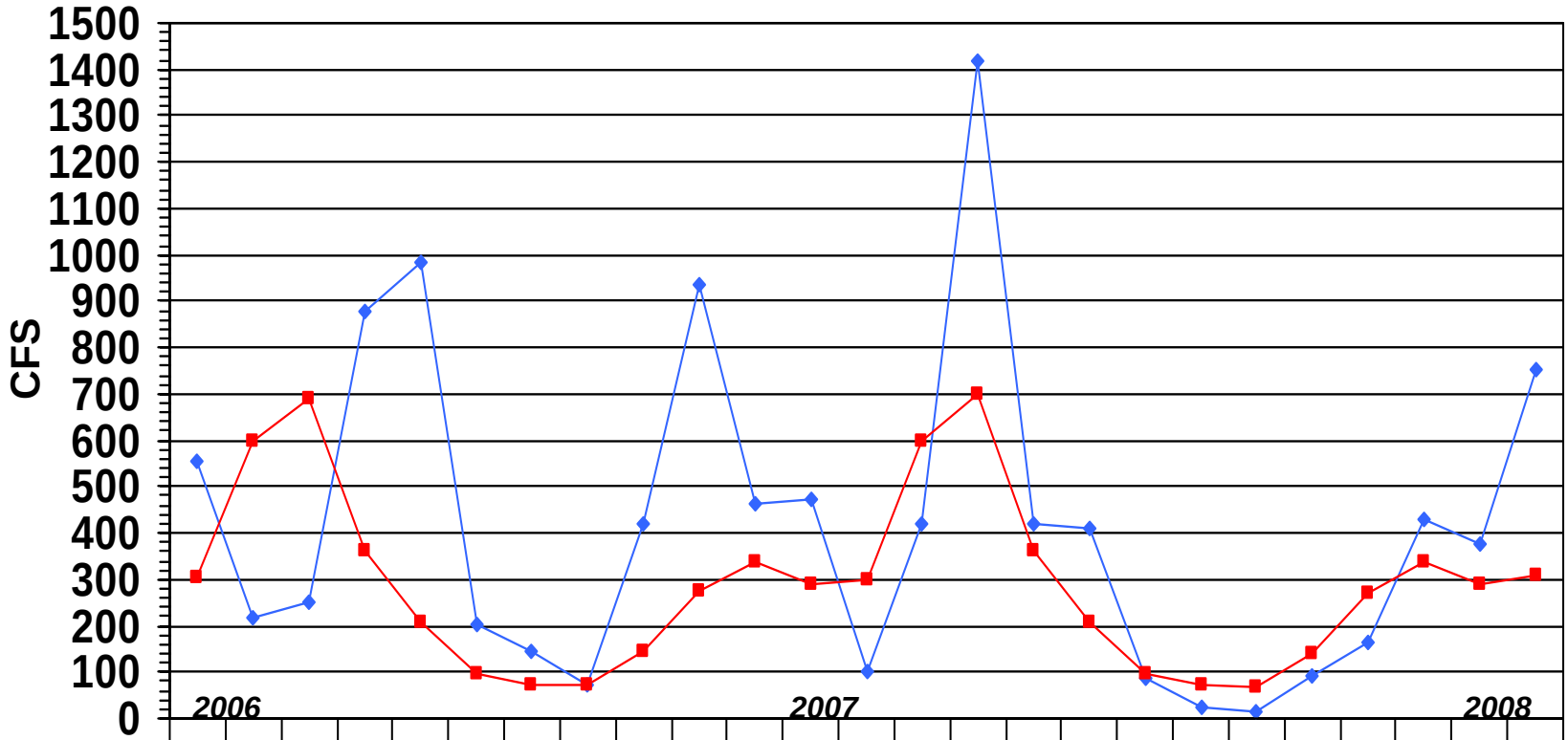
MONTHLY PRECIPITATION DATA FOR N.H COUNTIES

		2007										2008	
		MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB
Coastal drainage													
STRAFFORD	actual	3.94	9.98	3.39	3.14	7.11	2.44	4.34	4.91	4.41	4.94	3.25	8.39
	normal	4.02	4.39	3.88	3.77	3.75	3.69	3.77	4.39	4.71	3.99	3.68	3.32
	deviation	-0.08	5.59	-0.49	-0.63	3.36	-1.25	0.57	0.52	-0.30	0.95	-0.43	5.07
ROCKINGHAM	actual	4.37	8.92	3.95	3.33	5.15	1.47	2.88	4.42	3.77	4.69	2.71	8.34
	normal	3.86	4.12	3.69	3.68	3.59	3.55	3.76	4.20	4.42	3.93	3.77	3.20
	deviation	0.51	4.80	0.26	-0.35	1.56	-2.08	-0.88	0.22	-0.65	0.76	-1.06	5.14
Average	actual	4.16	9.45	3.67	3.24	6.13	1.96	3.61	4.67	4.09	4.82	2.98	8.37
	normal	3.94	4.26	3.79	3.73	3.67	3.62	3.77	4.30	4.57	3.96	3.73	3.26
	deviation	0.22	5.20	-0.12	-0.49	2.46	-1.67	-0.16	0.37	-0.48	0.86	-0.75	5.11
Southern Interior													
HILLSBOROUGH	actual	4.17	8.09	3.96	3.18	5.33	0.93	3.30	4.36	3.32	4.50	2.48	8.94
	normal	3.88	3.89	3.81	3.75	3.75	3.78	3.67	4.16	4.18	3.84	3.80	3.18
	deviation	0.29	4.20	0.15	-0.57	1.58	-2.85	-0.37	0.20	-0.86	0.66	-1.32	5.76
MERRIMACK	actual	3.95	8.53	3.59	2.68	4.83	1.71	3.33	4.59	3.80	5.64	2.71	9.68
	normal	3.51	3.66	3.84	3.66	3.81	3.78	3.52	3.97	3.97	3.56	3.49	2.89
	deviation	0.44	4.87	-0.25	-0.98	1.02	-2.07	-0.19	0.62	-0.17	2.08	-0.78	6.79
BELKNAP	actual	2.84	7.49	2.79	2.47	5.40	2.03	3.39	3.82	4.11	4.28	2.21	7.18
	normal	3.42	3.66	3.82	3.79	4.08	3.84	3.55	4.00	3.94	3.50	3.52	2.85
	deviation	-0.58	3.83	-1.03	-1.32	1.32	-1.81	-0.16	-0.18	0.17	0.78	-1.31	4.33
Average	actual	3.65	8.04	3.45	2.78	5.19	1.56	3.34	4.26	3.74	4.81	2.47	8.60
	normal	3.60	3.74	3.82	3.73	3.88	3.80	3.58	4.04	4.03	3.63	3.60	2.97
	deviation	0.05	4.30	-0.38	-0.96	1.31	-2.24	-0.24	0.21	-0.29	1.17	-1.14	5.63
South Western													
CHESHIRE	actual	2.77	5.49	2.66	2.94	4.49	1.52	3.20	4.17	3.34	3.78	1.80	8.57
	normal	3.60	3.64	3.97	3.81	4.03	4.05	3.57	3.82	3.80	3.51	3.64	2.92
	deviation	-0.83	1.85	-1.31	-0.87	0.46	-2.53	-0.37	0.35	-0.46	0.27	-1.84	5.65
SULLIVAN	actual	2.94	6.23	3.02	3.29	5.50	1.77	3.09	5.23	3.58	4.27	2.06	7.28
	normal	3.33	3.52	3.90	3.75	4.00	3.93	3.63	3.87	3.67	3.26	3.27	2.77
	deviation	-0.39	2.71	-0.88	-0.46	1.50	-2.16	-0.54	1.36	-0.09	1.01	-1.21	4.51
Average	actual	2.86	5.86	2.84	3.12	5.00	1.65	3.15	4.70	3.46	4.03	1.93	7.93
	normal	3.47	3.58	3.94	3.78	4.02	3.99	3.60	3.85	3.74	3.39	3.46	2.85
	deviation	-0.61	2.28	-1.10	-0.67	0.98	-2.35	-0.46	0.86	-0.28	0.64	-1.53	5.08
White Mountain													
GRAFTON	actual	3.29	5.13	3.24	3.08	5.67	3.41	3.69	5.60	4.47	4.31	1.84	6.16
	normal	3.60	3.73	4.01	4.26	4.34	4.42	4.05	4.19	4.21	3.66	3.64	2.89
	deviation	-0.31	1.40	-0.77	-1.18	1.33	-1.01	-0.36	1.41	0.26	0.65	-1.80	3.27
CARROLL	actual	2.86	8.10	3.24	3.23	6.35	3.15	3.18	4.82	5.35	4.96	2.47	7.58
	normal	4.01	4.05	4.19	4.14	4.25	4.21	3.88	4.37	4.33	3.97	4.01	3.15
	deviation	-1.15	4.05	-0.95	-0.91	2.10	-1.06	-0.70	0.45	1.02	0.99	-1.54	4.43
Average	actual	3.08	6.62	3.24	3.16	6.01	3.28	3.44	5.21	4.91	4.64	2.16	6.87
	normal	3.81	3.89	4.10	4.20	4.30	4.32	3.97	4.28	4.27	3.82	3.83	3.02
	deviation	-0.73	2.73	-0.86	-1.05	1.72	-1.04	-0.53	0.93	0.64	0.82	-1.67	3.85
North Country													
COOS	actual	3.63	6.58	4.25	3.50	4.63	4.88	3.30	5.26	5.46	4.16	1.89	5.03
	normal	3.57	3.61	4.14	4.61	4.53	4.70	4.25	4.13	4.24	3.75	3.61	2.89
	deviation	0.06	2.97	0.11	-1.11	0.10	0.18	-0.95	1.13	1.22	0.41	-1.72	2.14

Source: Northeast River Forecast Center, NH DES Dam Bureau

LAMPREY RIVER near NEWMARKET NH
Gage# 01073500

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



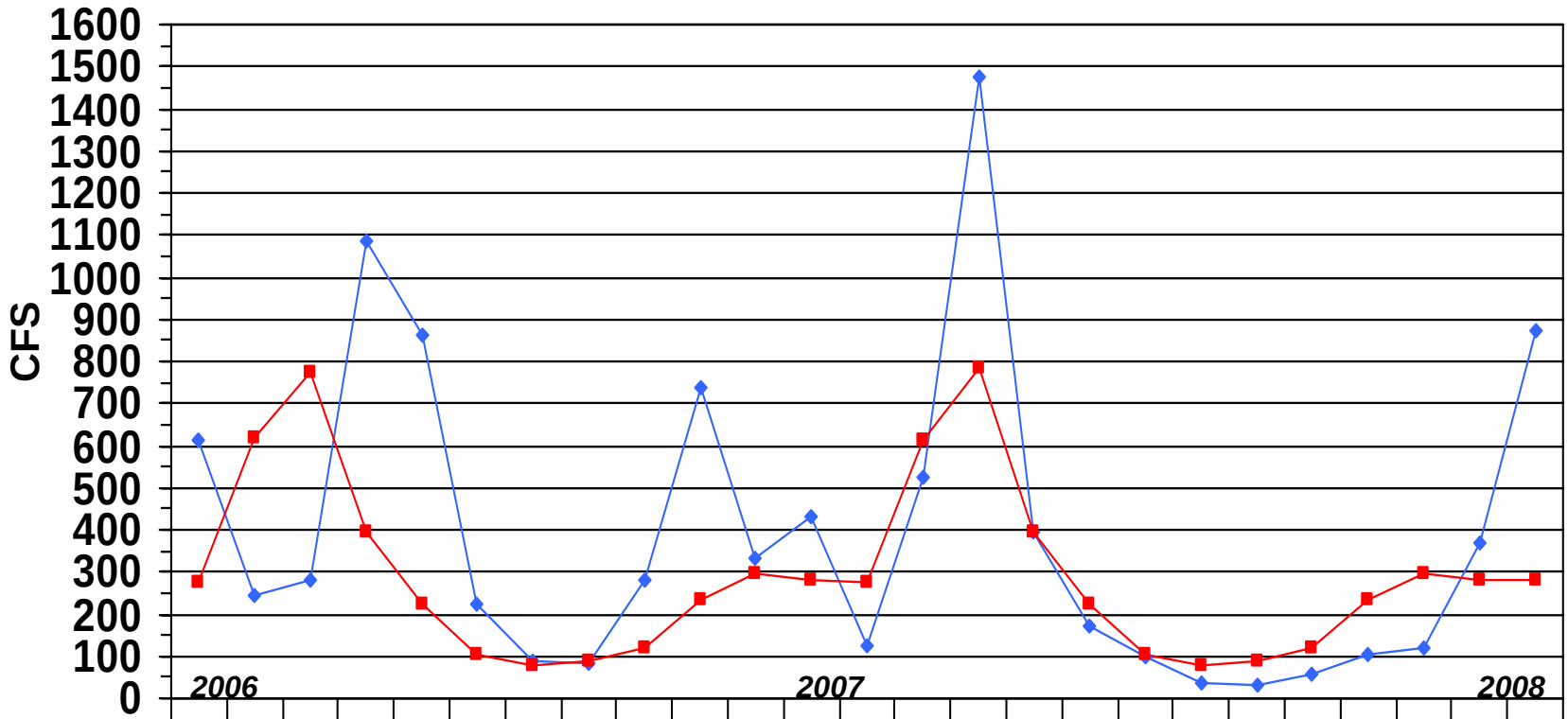
	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Monthly Mean Flow	555	217	252	876	982	201	146	73	419	935	462	475	100	422	1418	422	409	89	24	13	91	164	427	377	752
Mean of Monthly Flows	304	598	690	363	206	95	71	70	143	274	338	290	301	596	700	363	209	95	70	69	142	272	340	291	307
% of Normal	183%	36%	37%	241%	477%	212%	206%	104%	293%	341%	137%	164%	33%	71%	203%	116%	195%	93%	34%	19%	64%	60%	126%	129%	245%

NH DES, Dam Bureau, Source: USGS

Start of record 1934

SOUHEGAN RIVER at MERRIMACK NH
Gage# 01094000

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



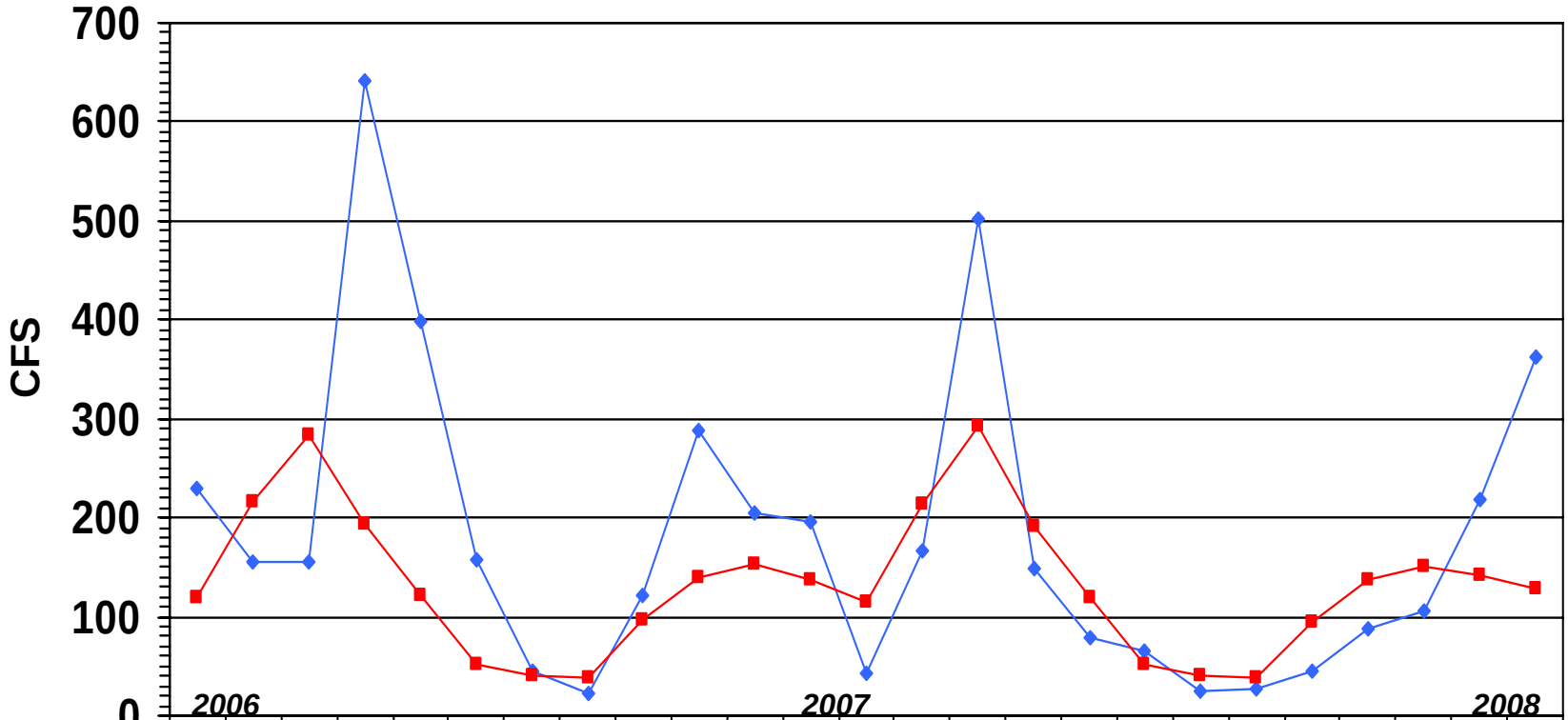
	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Monthly Mean Flow	611	244	281	1085	860	223	90	84	278	738	330	429	127	524	1474	397	171	98	34	33	58	105	118	369	873
Mean of Monthly Flows	275	616	773	395	224	103	78	88	120	235	296	278	273	615	782	395	223	103	77	88	119	234	294	280	281
% of Normal	222%	40%	35%	275%	384%	217%	115%	95%	232%	314%	111%	154%	46%	85%	188%	100%	77%	95%	44%	38%	48%	45%	40%	132%	311%

NH DES, Dam Bureau, Source: USGS

Start of record 1909

SOUCOOK RIVER at PEMBROKE ROAD
near CONCORD NH, Gage# 01089100

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



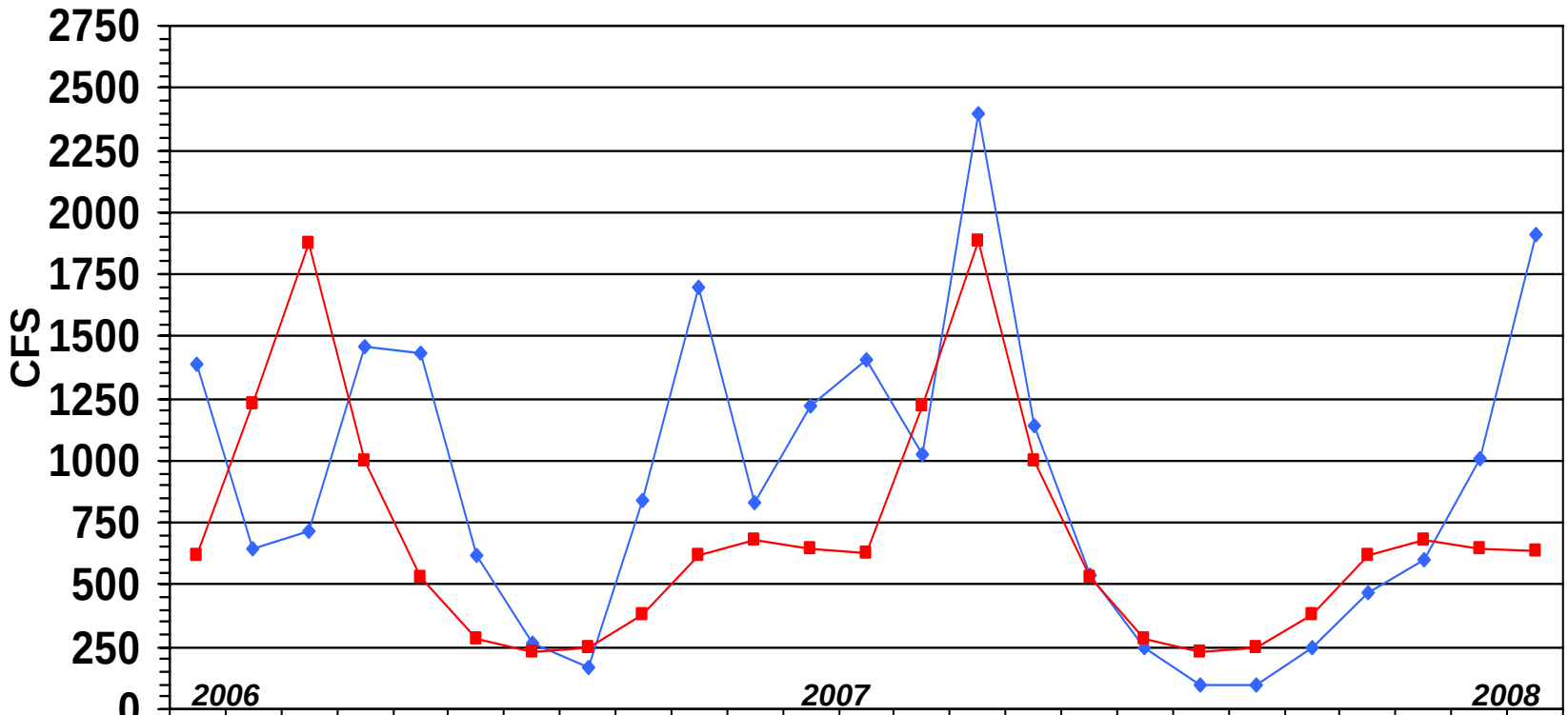
	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Monthly Mean Flow	229	155	155	642	399	157	44	23	122	289	204	195	42	166	501	148	78	66	25	26	45	87	105	219	363
Mean of Monthly Flows	119	216	283	194	122	51	41	38	96	140	153	137	115	213	293	192	119	51	40	38	94	137	150	141	128
% of Normal	192%	72%	55%	331%	327%	308%	107%	61%	127%	206%	133%	142%	37%	78%	171%	77%	66%	129%	62%	68%	48%	64%	70%	155%	284%

NH DES, Dam Bureau, Source: USGS

Start of record 1988

ASHUELOT RIVER at HINSDALE NH
Gage# 01161000

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



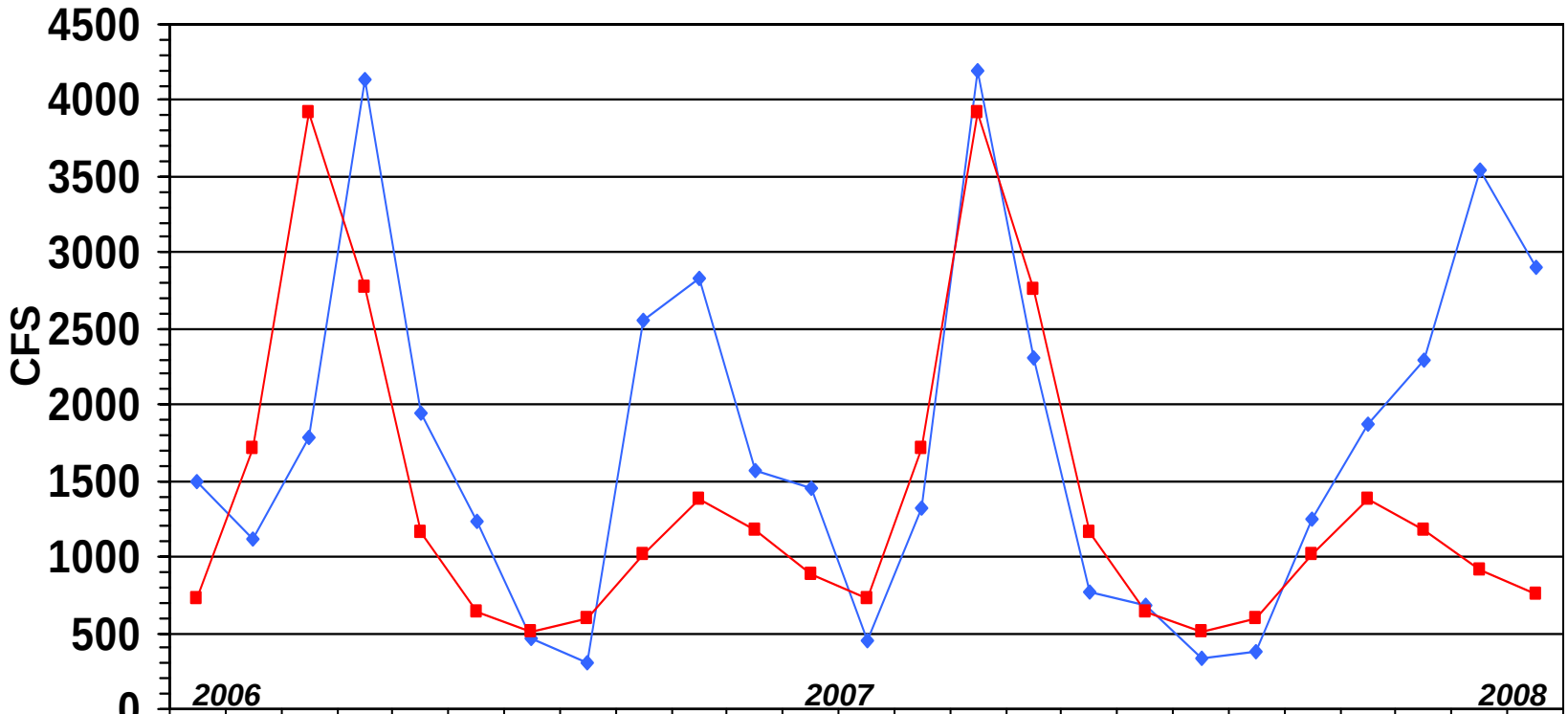
	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Monthly Mean Flow	1385	642	718	1459	1434	615	262	170	838	1702	833	1220	1404	1025	2393	1142	536	252	96	99	244	471	604	1008	1912
Mean of Monthly Flows	618	1226	1876	996	534	283	230	247	383	621	684	646	626	1224	1881	997	534	282	229	245	381	619	684	649	640
% of Normal	224%	52%	38%	146%	269%	217%	114%	69%	219%	274%	122%	189%	224%	84%	127%	115%	100%	89%	42%	40%	62%	76%	88%	155%	299%

NH DES, Dam Bureau, Source: USGS

Start of record 1907

PEMIGEWASSET RIVER at PLYMOUTH NH
Gage# 01076500

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Monthly Mean Flow	1500	1118	1789	4130	1941	1235	471	311	2550	2833	1569	1452	451	1318	4191	2308	773	687	340	381	1251	1871	2298	3542	2909
Mean of Monthly Flows	733	1712	3920	2767	1167	643	514	600	1017	1372	1171	892	730	1709	3923	2762	1163	643	512	598	1019	1377	1181	917	751
% of Normal	205%	65%	46%	149%	166%	192%	92%	52%	251%	206%	137%	163%	62%	77%	107%	84%	66%	107%	66%	64%	123%	136%	195%	386%	387%

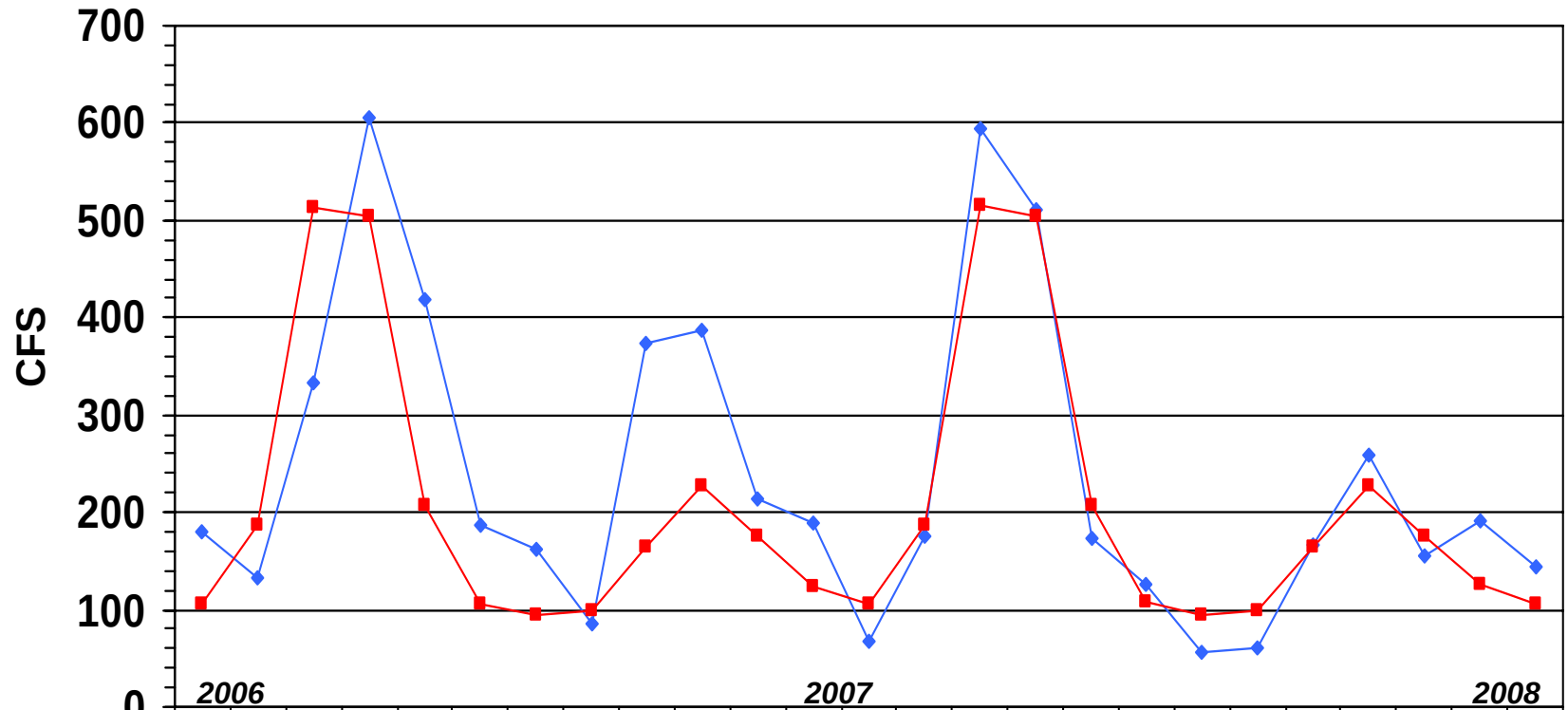
NH DES, Dam Bureau, Source: USGS

Start of record 1903

AMMONOOSUC RIVER at BETHLEHEM JUNCTION NH
Gage# 01137500

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

This station replaces gage# 01137000 which was discontinued by DES at the end of Sept 2004



	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Monthly Mean Flow	180	133	334	605	418	186	161	85	373	388	214	189	67	176	595	510	173	125	56	60	166	258	155	192	143
Mean of Monthly Flows	106	187	514	504	207	106	94	100	165	227	176	124	105	187	515	504	207	107	94	99	165	228	175	125	106
% of Normal	170%	71%	65%	120%	202%	175%	171%	85%	227%	171%	122%	152%	65%	94%	115%	101%	84%	117%	59%	61%	101%	113%	89%	154%	135%

NH DES, Dam Bureau, Source: USGS

Start of record 1939

STREAMFLOW DATA FOR SELECTED NH STATIONS AS OF MARCH 5, 2008

Station number	Station name	Est. Mean Flow (cfs)	Long Term Median Flow	99% Flow (cfs)	7Q10 Flow (cfs)	Lowest Period of Record Daily Flow (cfs)	% of Median	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
Androscoggin River Basin										
01052500	Diamond River near Wentworth Location, NH	Ice	90	22	16	6.8	#REF!	#REF!	#REF!	#REF!
01053500	Androscoggin River at Errol, NH	4,270	1,850	500	451	0	#REF!	#REF!	#REF!	#REF!
01054000	Androscoggin River near Gorham, NH	4,350	2,160	1300	1310	795	#REF!	#REF!	#REF!	#REF!
Saco River Basin										
01064500	Saco River near Conway, NH	Ice	360	105	97	66	#REF!	#REF!	#REF!	#REF!
01064801	BEARCAMP RIVER AT SOUTH TAMWORTH, NH	Ice	93	6	4.8	4.5	#REF!	#REF!	#REF!	#REF!
Piscataqua River Basin										
01072800	COCHECO RIVER NEAR ROCHESTER, NH	241	116	--	--	2.2	#REF!	#REF!	#REF!	#REF!
01073500	LAMPREY RIVER NEAR NEWMARKET, NH	602	310	7	5	--	#REF!	#REF!	#REF!	#REF!
Merrimack River Basin										
01074520	EAST BRANCH PEMIGEWASSET RIVER AT LINCOLN, NH	129	130		49	46	99%	FALSE	FALSE	FALSE
01075000	PEMIGEWASSET RIVER AT WOODSTOCK, NH	455	150		56	--	303%	FALSE	FALSE	
01076000	BAKER RIVER NEAR RUMNEY, NH	Ice	111		15	--	#VALUE!	#VALUE!	#VALUE!	
01076500	PEMIGEWASSET RIVER AT PLYMOUTH, NH	Ice	560		118	45	#VALUE!	#VALUE!	#VALUE!	#VALUE!
01078000	SMITH RIVER NEAR BRISTOL, NH	Ice	77		6.2	2.7	#VALUE!	#VALUE!	#VALUE!	#VALUE!
01081000	WINNIPESAUKEE RIVER AT TILTON, NH	1,780	835		136	48	213%	FALSE	FALSE	FALSE
01081500	MERRIMACK RIVER AT FRANKLIN JUNCTION, NH	3,650	1,920		551	--	190%		FALSE	
01082000	CONTOOCOOK RIVER AT PETERBOROUGH, NH	Ice	94		6.3	--	#VALUE!	#VALUE!	#VALUE!	
01085000	CONTOOCOOK RIVER NEAR HENNIKER, NH	1,450	---		37	--		FALSE	FALSE	
01085500	CONTOOCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH	1,250	580		39	--	216%	FALSE	FALSE	
01086000	WARNER RIVER AT DAVISVILLE, NH	334	200		5.3	--	167%	FALSE	FALSE	
01087000	BLACKWATER RIVER NEAR WEBSTER, NH	278	---		13.7	--		FALSE	FALSE	
01090800	PISCATAQUOG RIVER BL EVERETT DAM, NR E WEARE, NH	207	---		1.2	--		FALSE	FALSE	
01091500	PISCATAQUOG RIVER NEAR GOFFSTOWN, NH	810	---		8.8	--		FALSE	FALSE	
01092000	MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH	7,070	4,510		644	98*	157%		FALSE	
01094000	SOUHEGAN RIVER AT MERRIMACK, NH	810	300		12.9	--	270%	FALSE	FALSE	
Connecticut River Basin										
01129200	CONNECTICUT R BELOW INDIAN STREAM NR PITTSBURG, NH	868	603		42	30	144%	FALSE	FALSE	FALSE
01129500	CONNECTICUT RIVER AT NORTH STRATFORD, NH	Ice	1,130		176	108	#VALUE!	#VALUE!	#VALUE!	#VALUE!
01131500	CONNECTICUT RIVER NEAR DALTON, NH	Ice	1,600		389	115	#VALUE!	#VALUE!	#VALUE!	#VALUE!
01137500	AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH	Ice	70		28	21	#VALUE!	#VALUE!	#VALUE!	#VALUE!
01138500	CONNECTICUT RIVER AT WELLS RIVER, VT	5,220	3,570		690	152*	146%		FALSE	
01144500	CONNECTICUT RIVER AT WEST LEBANON, NH	10,400	4,540	380*	902	82*	229%		FALSE	
01152500	SUGAR RIVER AT WEST CLAREMONT, NH	Ice	270	40	38	14	#VALUE!	#VALUE!	#VALUE!	#VALUE!
01154500	CONNECTICUT RIVER AT NORTH WALPOLE, NH	10,300	6,450	260*	1058	115*	160%		FALSE	
01158000	ASHUELOT RIVER BELOW SURRY MT DAM, NEAR KEENE, NH	215	106	4.5	2.7	0.4	203%	FALSE	FALSE	FALSE
01158600	OTTER BROOK BELOW OTTER BROOK DAM, NEAR KEENE, NH	105	49	1.6	1.1	0.3	214%	FALSE	FALSE	FALSE
01160350	ASHUELOT RIVER AT WEST SWANZEY, NH	760	493	32	--	--	154%	FALSE		

*Flow duration and record low mean daily flow significantly affected by reservoir operations

**Estimated

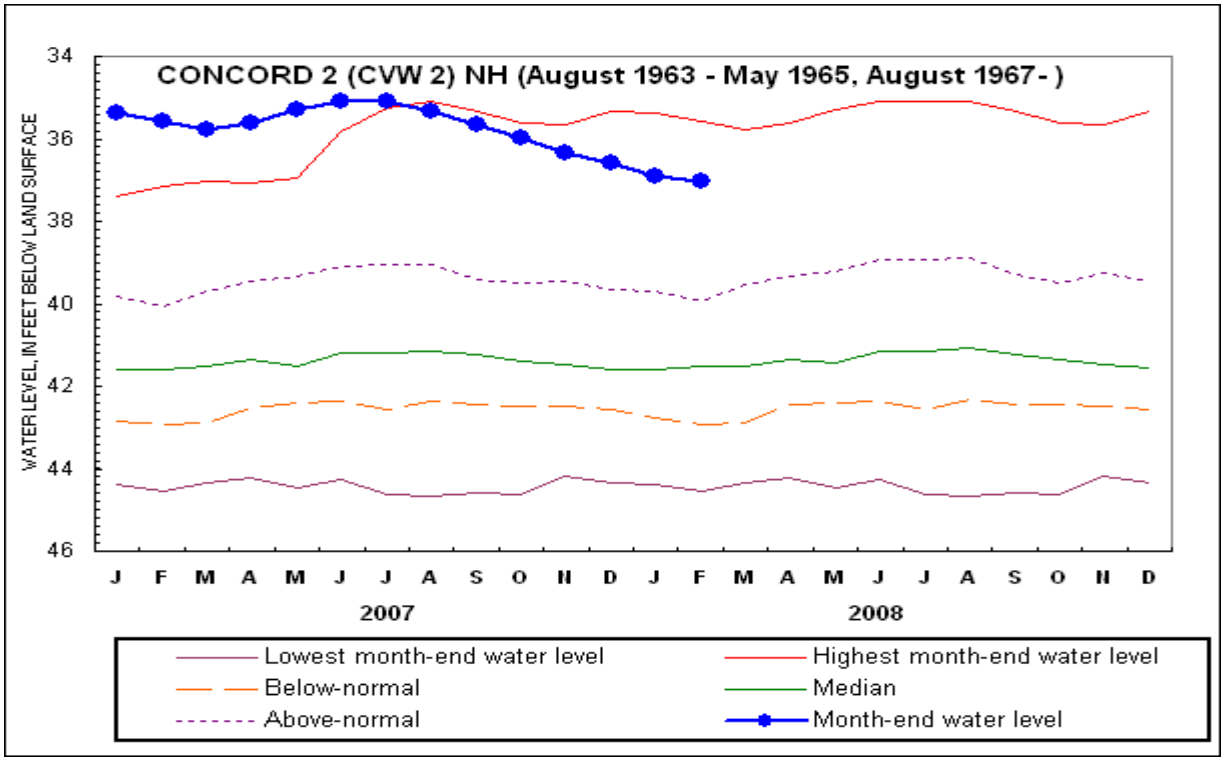
Source: USGS, NH DES

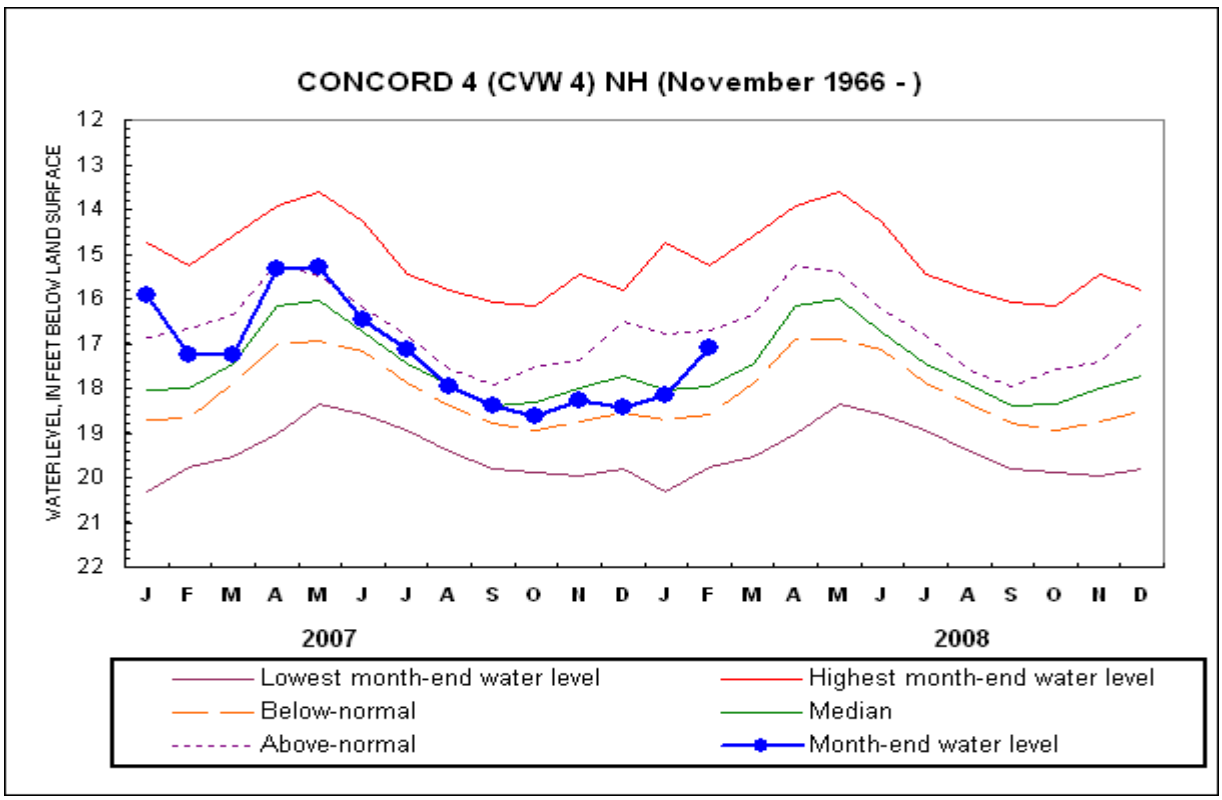
SUMMARY	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
FALSE =	14	18	5
TRUE =	0	0	0

New Hampshire Groundwater Levels for February 2008

WELL	START OF RECORD	WATER LEVEL BELOW SURFACE DATUM (ft)	NET CHANGE IN ONE MONTH (ft)	NET CHANGE IN ONE YEAR (ft)	MEDIAN	RANGE (ft)	DEPARTURE FROM MONTHLY MEDIAN (FT)	PERCENT OF RANGE	STATUS
ALBANY 14	1995	6.24	-0.13	+0.63	6.87	2.02	+0.63	31.2	NORMAL
ALBANY 15	1995	8.22	+0.02	+0.60	8.82	2.47	+0.60	24.3	NORMAL
BARNSTEAD 10	1995	2.17	+.019	+0.75	2.91	0.37	+0.74	200.0	ABOVE NORMAL
CAMPTON 34	1988	12.33	+0.38	+0.93	13.07	2.24	+0.74	33.0	ABOVE NORMAL
COLEBROOK 73	1995	-----	-----	-----	7.52	-----	-----	-----	---------
CONCORD 2	1963	37.03	-0.12	-1.47	41.51	5.95	+4.48	75.3	ABOVE NORMAL
CONCORD 4	1966	17.08	+1.06	+0.18	17.98	2.74	+0.90	32.8	NORMAL
DEERFIELD 46	1984	38.79	+0.48	-0.61	38.64	1.18	-0.15	-12.7	NORMAL
ENFIELD 30	1990	2.59	+1.74	+2.59	6.64	4.07	+4.05	-- 5	ABOVE NORMAL
ERROL 1	1966	13.8	-0.2	+0.0	13.2	1.5	-0.6	-40.0	BELOW NORMAL
FRANKLIN 1	1966	12.86	+0.35	-3.18	13.25	5.26	+0.39	7.4	NORMAL
GREENFIELD 75	1995	62.10	+0.11	-1.90	62.49	3.91	+0.39	10.0	NORMAL
HOOKSETT 5	1965	46.35	+1.94	+2.13	47.97	6.25	+1.62	25.9	ABOVE NORMAL
KEENE 2	1963	2.81	+0.44	+0.90	3.18	2.10	+0.37	17.6	NORMAL
LANCASTER 1	1966	1.30	+0.40	+0.30	1.51	2.51	+0.21	8.4	NORMAL
LEE 1	1953	29.96	+0.55	+0.90	31.11	1.16	+1.15	--.1	ABOVE NORMAL
LISBON 19	1990	12.42	+0.13	+0.99	13.02	1.63	+0.60	36.8	NORMAL
NASHUA 218	1964	26.33	+1.44	+1.01	28.21	1.83	+1.88	102.7	ABOVE NORMAL
NEW DURHAM 53	1986	18.48	+0.45	+0.66	19.04	0.89	+0.56	62.9	ABOVE NORMAL
NEW LONDON 1	1947	5.81	+0.74	+4.67	9.25	5.58	+3.44	61.6	ABOVE NORMAL
NEWPORT 3	1995	5.32	+0.64	+1.12	5.89	1.74	+0.57	32.8	NORMAL
NEWPORT 6	1995	5.41	+0.65	+1.16	5.97	1.92	+0.56	29.2	NORMAL
OSSIPEE 38	1995	35.52	+0.10	-0.84	35.79	2.26	+0.27	11.9	NORMAL
SHELBURNE 2	1995	5.10	+0.06	-0.17	4.75	0.30	-0.35	-116.7	BELOW NORMAL
	1965	29.86	+0.98	-0.07	30.78	3.58	+0.92	25.7	NORMAL

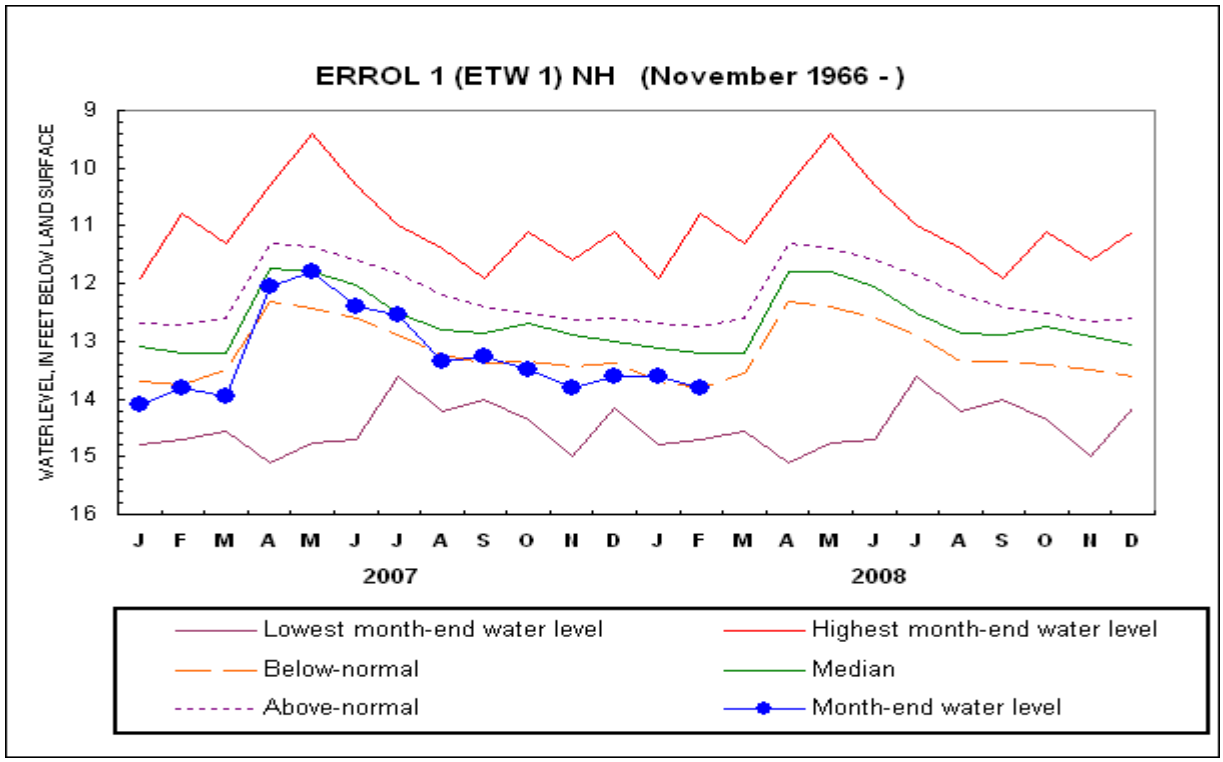
Source: USGS, NH DES

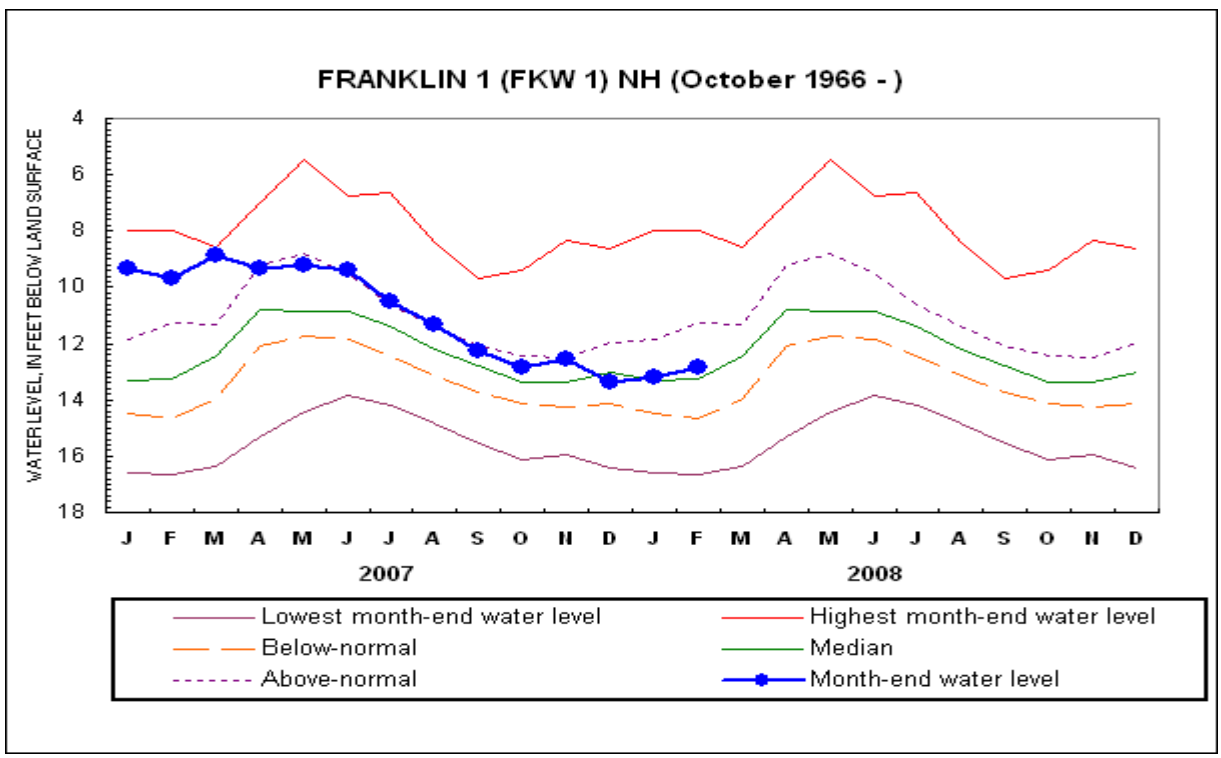




Highest and lowest month-end water levels are monthly extremes for the period of record
Above-normal is the 75% quartile (25% of month-end water levels were higher)
Below-normal is the 25% quartile (25% of month-end water levels were lower)
Median is the 50% quartile (half of the month-end water levels were higher or lower)
Water levels after September 2003 are provisional and subject to revision.

Source: USGS, NH DES, Dam Bureau,





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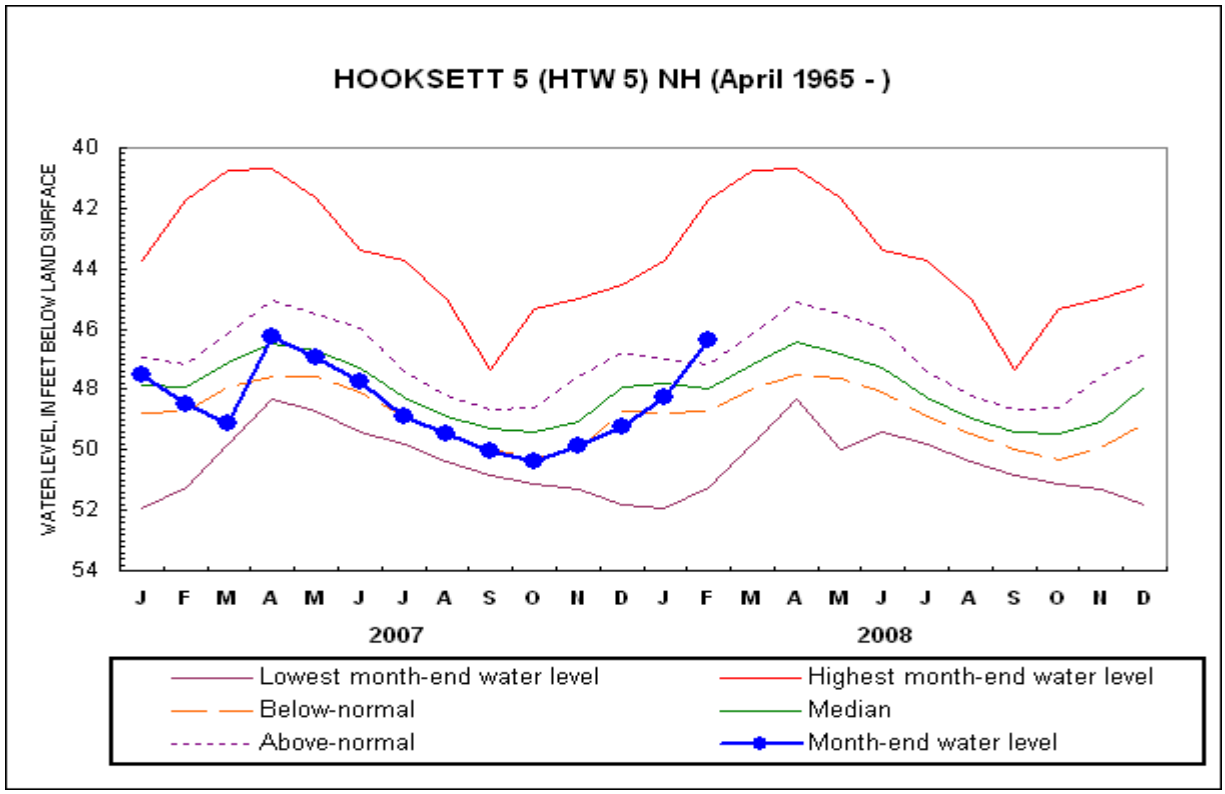

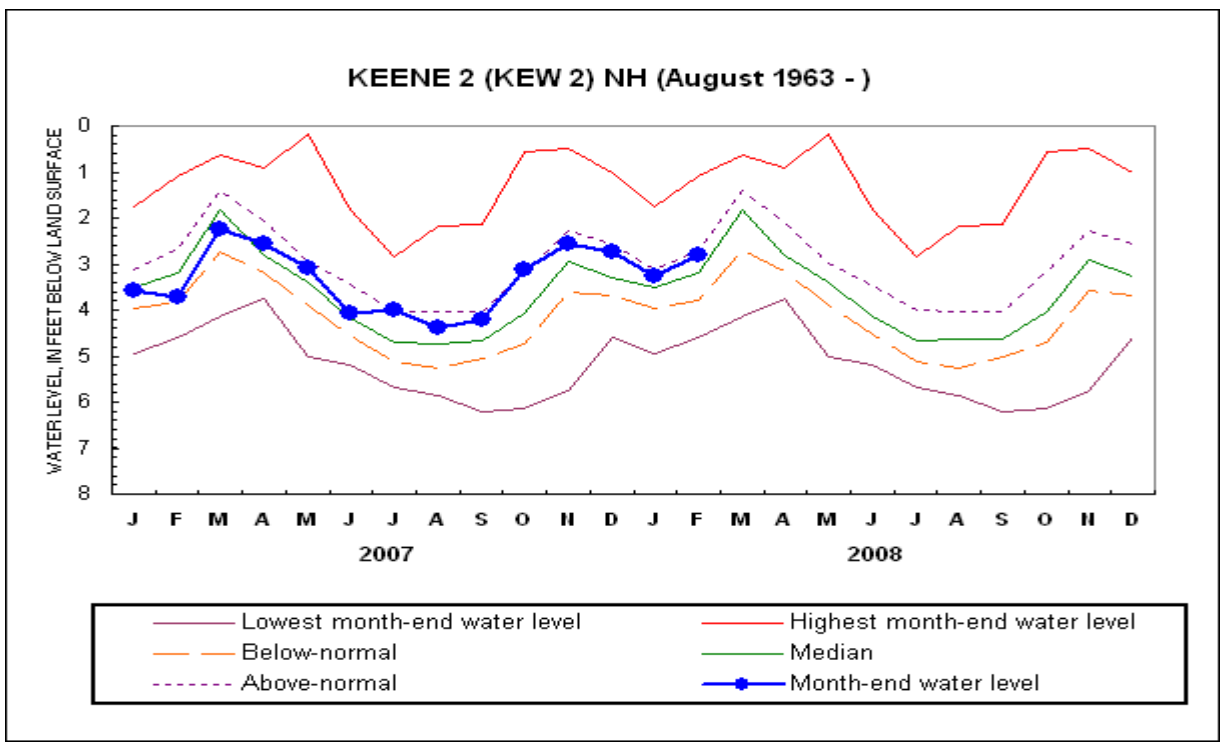

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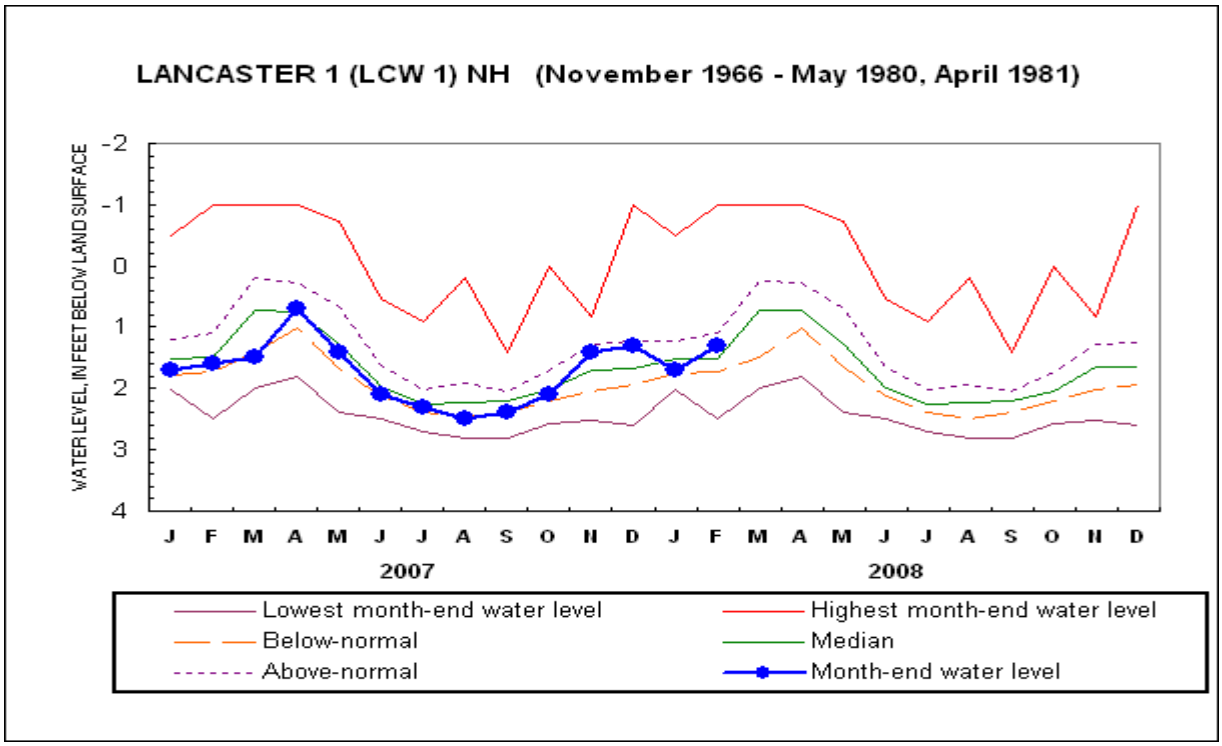

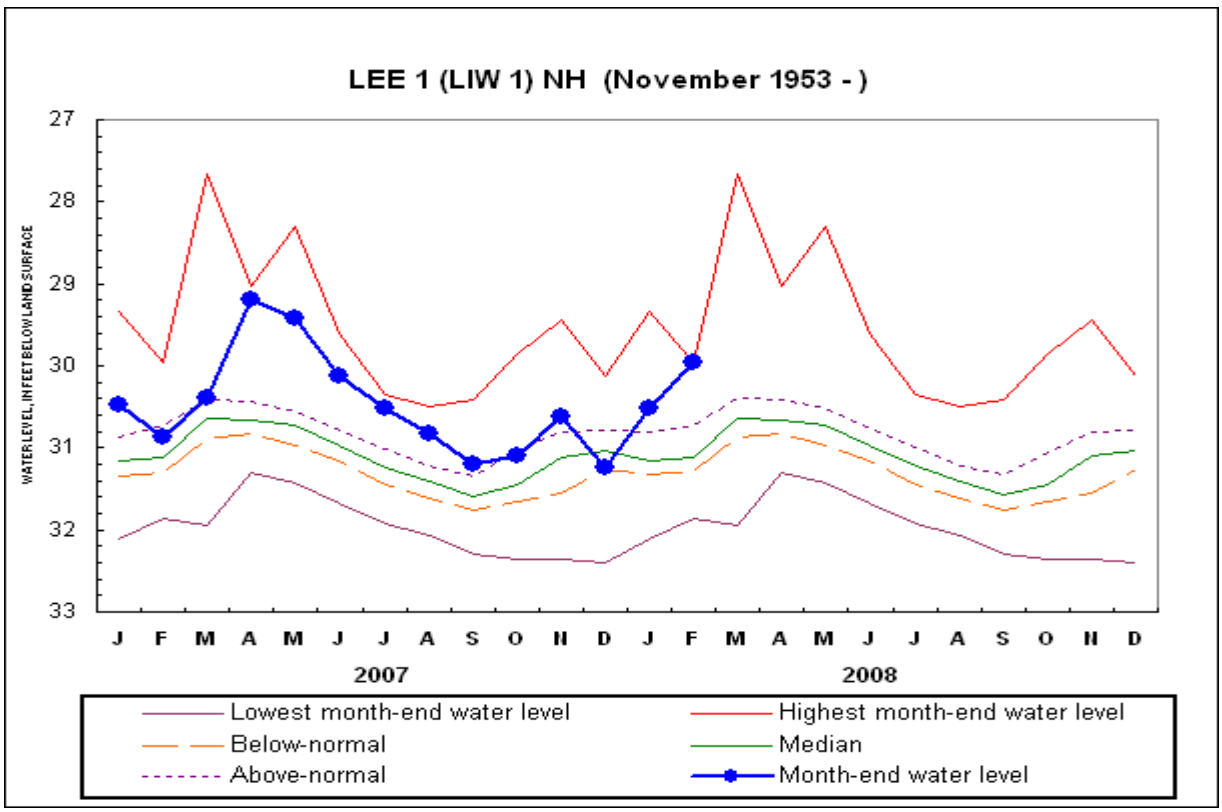

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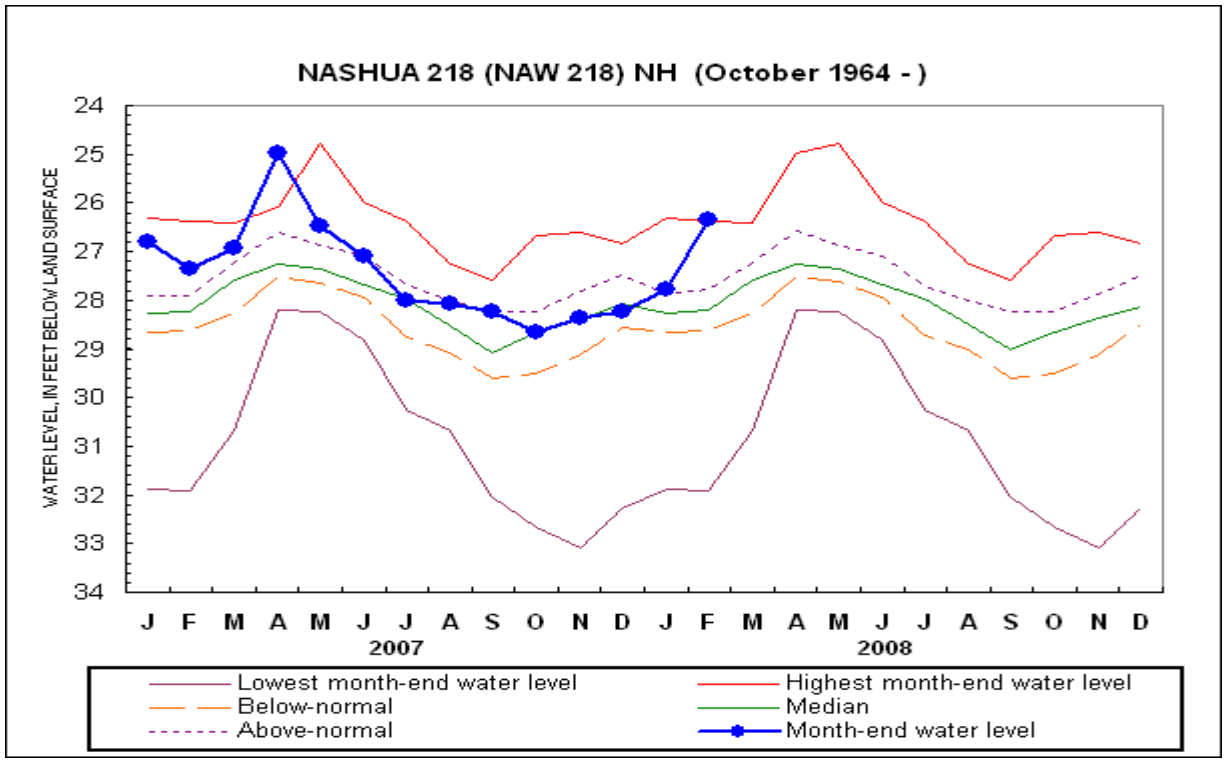

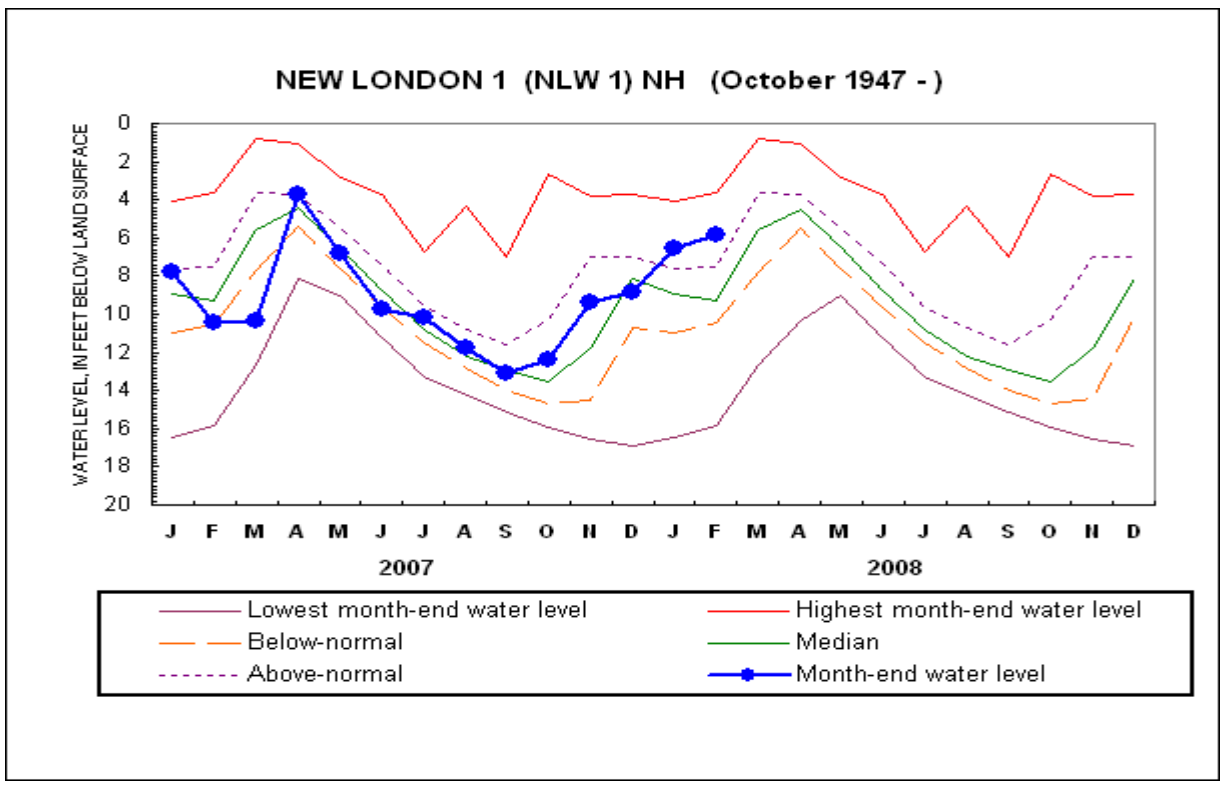

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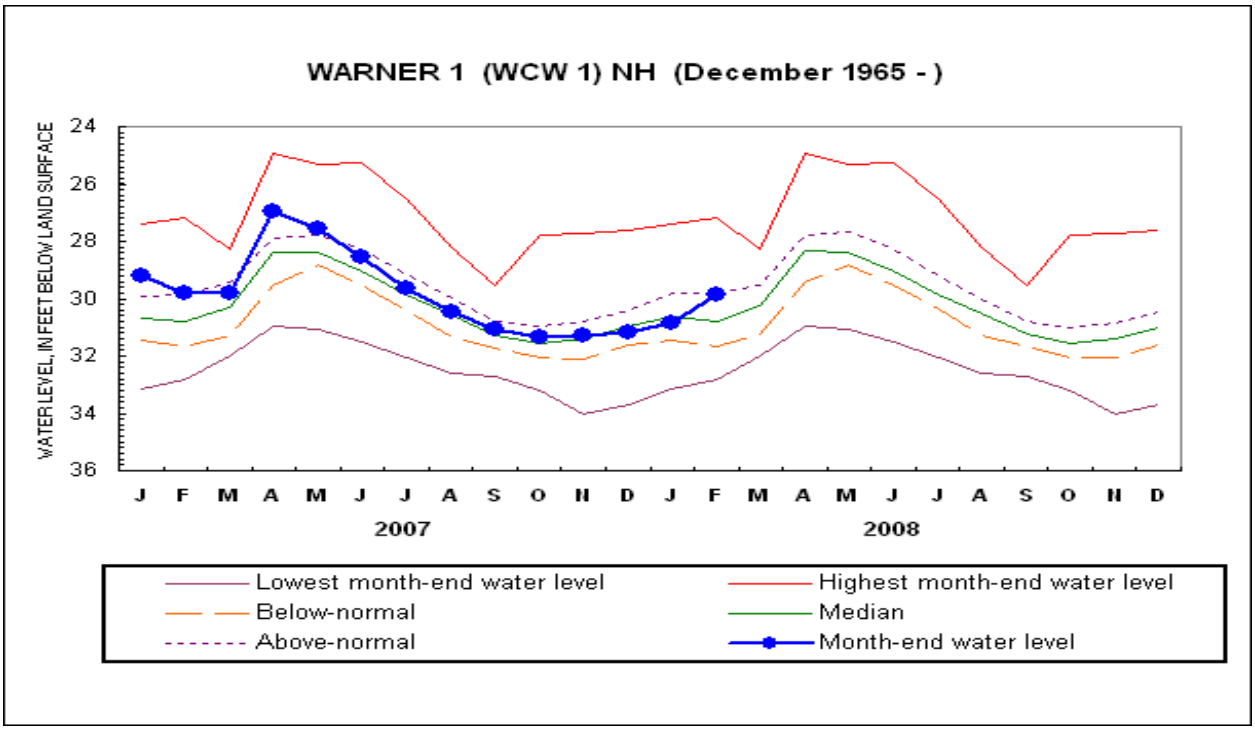

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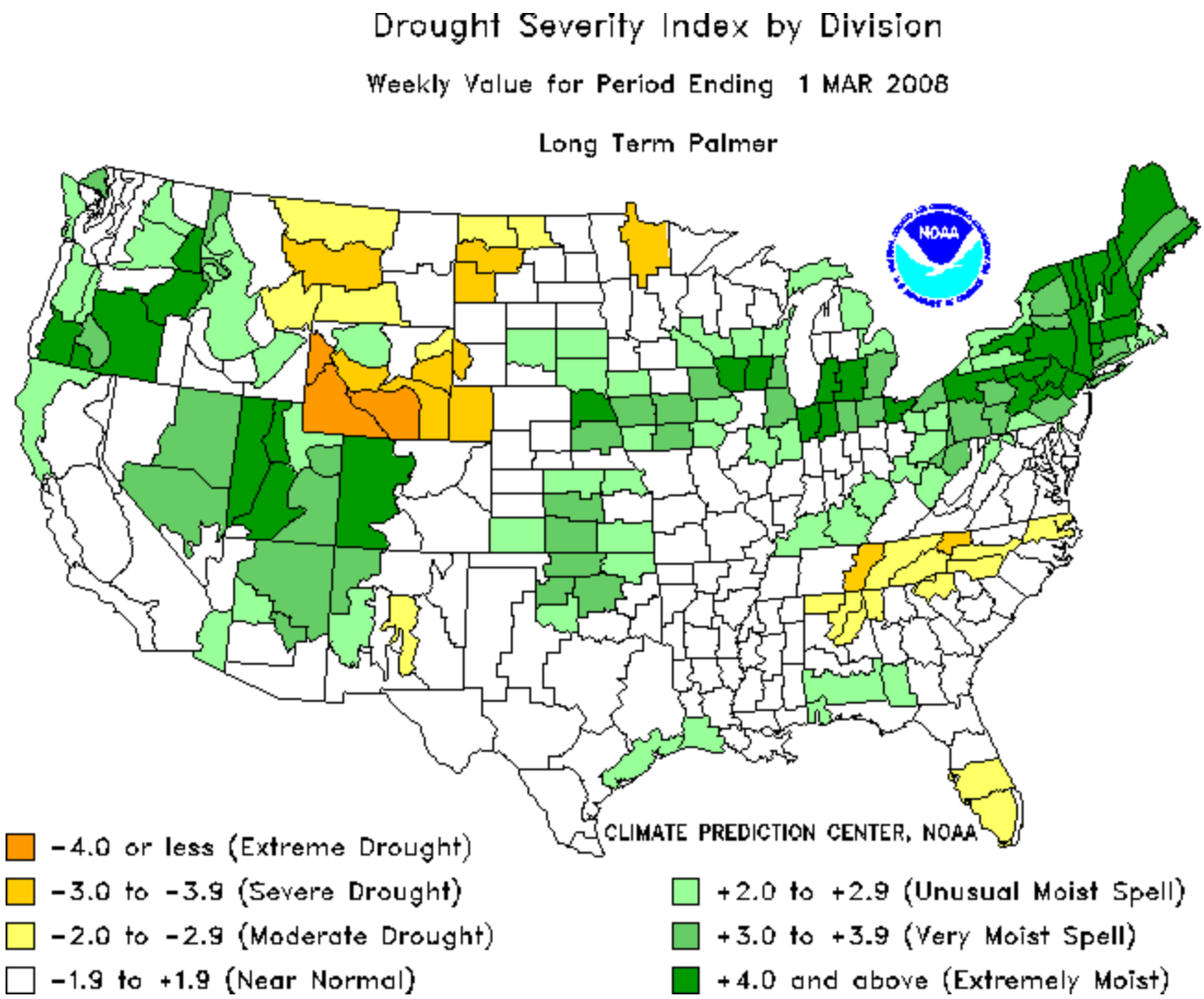
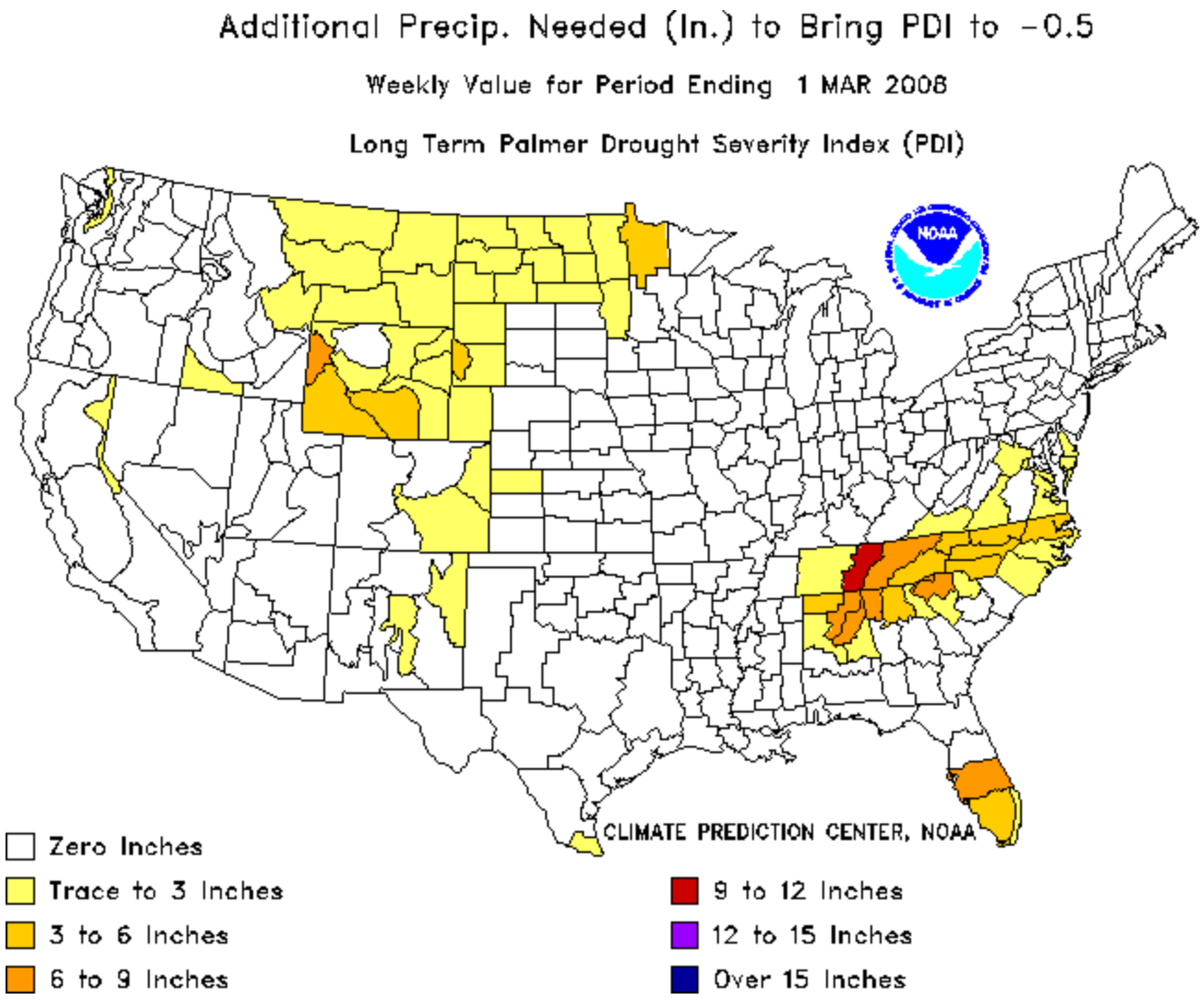


THE PALMER DROUGHT SEVERITY INDEX

The Palmer Index uses temperature and rainfall information in a formula to determine dryness. The advantage of the Palmer Index is that it is standardized to local climate.



This is the amount of rainfall required in a week's time to bring the index back to zero inches required.